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APPLICANT:

TOYOTA CENTRAL RES & DEV LAB

INC:

INVENTOR:

SUGIURA TOSHIKI;

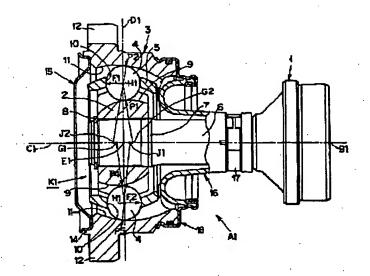
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TITLE

BAR FIELD TYPE CONSTANT

VELOCITY UNIVERSAL JOINT



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ABSTRACT: PROBLEM TO BE SOLVED: To stabilize the operation of a cage for holding a ball.

SOLUTION: This joint is provided with an inner race 2 having plural inner grooves 9, an outer race 3 having plural outer grooves 11, plural balls 4 arranged between the plural inner grooves 9 and the plural outer grooves 11, and a cage 5 arranged between the inner race 2 and the outer race 3 and for holding the balls 4 on a bisection surface D1. In this case, a first curvature center G1 and a second curvature center G2 of the adjacent inner grooves 9 are offset each other in both sides of the bisection surface D1, and a third curvature center J1 and a fourth curvature center J2 of the adjacent outer grooves 11 are offset each other in booth sides of the bisection surface D1, and a distance from the bisection surface D1 to the first curvature center G1 and a distance from the bisection surface D1 to the second curvature center G2 are different from each other, and a distance from the bisection surface D1 to the fourth curvature center J2 are different from each other.

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